JLOTS Symposium V

1-3 February 2000

Colonel Samuel M. Cannon
PM Force Projection Enabling Systems

Purpose

Present an Overview

- PM Force Projection Enabling Systems
- Involvement in the Force Projection Process
- Force Projection Timelines Necessary to Meet New Army Vision
- Force Projections Relationship with JLOTS

Agenda

- Purpose
- Our Project Management Office
- Power Projection
- Army's New Timelines
- JLOTS Materiel Development
- Challenges
- Summary
- Force Projection Symposium

PM Force Projection Enabling Systems

80 SYSTEMS

$3.78 B PAA
$124 M RDT&E
MANAGED (FY00-07)

89 PEOPLE (80 CIVILIAN)

Project Manager
Force Projection
Enabling Systems

Colonel Mike Cannon
DSN 786.6883

Deputy Project Manager
Force Projection
Enabling Systems

Ron Wummel
DSN 786.6981
4

R&D
Integration
G.B. Singh
DSN 786.5240
2

Business
Management
Office
Donald Case
DSN 786.5688
9

Acquisition
Management
Office
Dave Jackson
DSN 786.5635
8

PM Army
Watercraft
Systems
Jim Folkl
25 DSN 786.8829 22

PM Construction
Equipment/Materials
Handling
Equipment (CE/MHE)
LTC Timothy G. Goddette
25 DSN 786.6982 13

Intratheater
Mobility Systems
Management Office
Karl Brobeil
15 DSN 786.6635 10

PM Petroleum and
Water Systems (PAWS)
LTC Genaro J. Dellarocco
DSN 786.4200
15 21

The Force Projection Enabling Systems Life Cycle Team

Development

- Engineering and Logistics Equipment Associate Director **John Peterson** DSN 786-5900
- Engineering Heavy Trucks Associate Director **Rich Franke** DSN 786-5820
- Materials Handling Equipment
- Line Haul Trucks
- Watercraft Support
- Engineering Business Group Associate Director **Edward Bohdanowitcz** DSN 786-4101
- Construction Equipment
- Line Haul Trailers
- Petroleum And Water Associate Director **Tom Bagwell** DSN 786-4101
- Water and Wastewater Treatment
- Petroleum and Water Quality Technology
- Fuel and Water Handling
- Inland Petroleum Distribution System
- Fuels and Lubrication Technology

Production

- Project Manager Force Projection Enabling Systems **Colonel Mike Cannon** **DSN 786-6883**
  - Deputy PM Force Projection Enabling Systems **Ron Wummel** **DSN 786-6883**
  - Acquisition Management. Office **Dave Jackson** DSN 786-5635
  - Business Management. Office **Donald Case** DSN 786-5688
  - PM Army Watercraft Systems Management Office **Jim Folkl** DSN 786-8829
  - PM Construction Eqpt./ Materials Handling Eqpt. **LTC Timothy G. Goddette** DSN 786-6982
  - Intratheater Mobility Systems Management Office **Karl Brobeil** DSN 786-6635
  - PM Petroleum And Water Systems **LTC Genaro Dellarocco** DSN 786-4200

Sustainment

- Deployment/Support CBU **Shari Bednarik** DSN 786-6165
- Troop Support
- Material Acquisition
- Construction Equipment
- Deployment Acquisition
- Materials Handling
- Tactical CBU **Art Siirila** DSN 786-7097
- Logistics Direct Support
- Light Truck Group
- Medium Truck Group
- Heavy Truck Group

Systems Procured / Managed by the PM Through POM (07)

PM CE/MHE 25 Systems 6764 Total Quantity

ROUGH TERRAIN CONTAINER HANDLER 53,000 LB CAPACITY
ALL TERRAIN LIFTER, ARMY SYSTEM
ROUGH TERRAIN CONTAINER CRANE
AIRBORNE TRACTOR, T-5 SIZE
TRACTOR, T-9 SIZE
2 1/2 CU YD SCOOP LOADER
HEAVY ENGINEER CRANE
CRUSHING/SCREENING PLANT 150 TPH
PNEUMATIC TOOL COMPRESSOR
DEPLOYABLE UNIVERSAL COMBAT EARTH MOVER
SCRAPER, 14-18 CU YD
VIBRATORY SELF-PROPELLED ROLLER
HEAVY GRADER
AIRBORNE GRADER
4-5 CU YD SCOOP LOADER
TACTICAL RAPID EXCAVATION SYSTEM
HIGH SPEED COMPACTOR
9-11 CU YD AIRBORNE SCRAPER
ALL TERRAIN CRANE
HYDRAULIC EXCAVATOR
D7 DOZER REBUILD
ROUGH TERRAIN CONTAINER HANDLER REBUILD
AIRBORNE WATER DISTRIBUTOR SYSTEM
CRANES
SYSTEM LIFECYCLE EXTENSION PROGRAM

PM PAW 15 Systems 8180 Total Quantity

PETROLEUM QUALITY ANALYSIS SYSTEM
FUEL SYSTEM SUPPLY POINT
FORWARD AREA REFUELING SYSTEM
FORWARD AREA REFUELING SYSTEM AVIATION

WATER STORAGE DISTRIBUTION SYSTEM
TACTICAL WATER DISTRIBUTION SYSTEM
FORWARD AREA WATER POINT SUPPLY SYSTEM
SMALL MOBILE WATER CHILLER
HOSELINE OUTFIT FUEL HANDLING
TACTICAL WATER PURIFICATION SYSTEMS 3000 GPH
TACTICAL WATER PURIFICATION SYSTEMS 1500 GPH
LIGHTWEIGHT PURIFIER
PACKAGED WATER SYSTEM
INLAND PETROLEUM DISTRIBUTION SYSTEM
PETROLEUM QUALITY SURVEILLANCE LAB

ISMO 15 Systems 32917 Total Quantity

TRUCK TRACTOR, LINEHAUL
TRUCK TRACTOR, LT EQ
TRUCK TRACTOR, YARD TYPE
TRUCK DUMP 20 TON
LINE HAUL ESP
LOCOMOTIVE
ITEMS LESS THAN 5.0 (FLOAT RAIL)
RAILROAD CAR, FLAT 89 FT
SEMITRAILER FB BB/CONT TRANS 22 1/2T
SEMITRAILER, LB 40 T
SEMITRAILER,TANK 5000G BULKHAUL
SEMITRAILER,TANK 5000G AUTOMOTIVE
SEMITRAILER,TANK 9200G BULKHAUL
SEMITRAILER, VAN CARGO SUPPLY 12TON
SELF-LOAD/OFF-LOAD TRAILER

WSMO 25 Systems 277 Total Quantity

FLOATING CRANE 89'
FLOATING CRANE 115'
DECK CARGO BARGE
PORT CONTROL & COMMUNICATION CENT
FLOATING MACHINE SHOP
CONTAINER MAINTENANCE FACILITY
PATROL BOATS
DECK CARGO BARGE
BARGE CARGO COVERED DECK
AMIPHIBIOUS LIGHTER
LANDING CRAFT MECHANIZED MOD0
LANDING CRAFT MECHANIZED MOD1
LANDING CRAFT MECHANIZED MOD2
LANDING CRAFT UTILITY 1600
LANDING CRAFT UTILITY 2000
LOGISTIC SUPPORT VESSEL
LARGE TUG 100'
LARGE TUG 128'
SMALL TUG 45'
SMALL TUG 65'
SMALL TUG 60'
ROLL ON ROLL OFF DISCHARGE FACILITY
CAUSEWAY FERRY
FLOATING CAUSEWAY
SIDE LOADABLE WARPING TUG

Total Systems 80 Total Quantity 4813

Power Projection Growth

STRATEGIC AIRLIFT

Add C-17A's to replace C-141's

MOVE 10% BY AIR

Desert Storm | Today | MRSBURU* 2004

% Growth Since Desert Storm

1-2%

STRATEGIC SEALIFT

SURGE SEALIFT CAPABILITY

$6.2B Spent Since 19

MOVE 90% BY SEA

Desert Storm | Today | MRSBURU 2001

126%

ARMY PRE-POSITIONED STOCKS

STANDING-UP APSs

APS-2 (Was POMCUS) | APS-5 | APS-3 | APS-4

1970's | Desert Storm | 1995 | Today

% Fill Goal by FY00:
APS#2=94%
APS#3
BDE =95%
CSS =82%
APS#4=95%
APS#5=95%

From 2 to 7 BDE Sets

Going To 8th BDE

*Mobility Requirements Study Bottom-Up Review Update

21st Century Force Projection

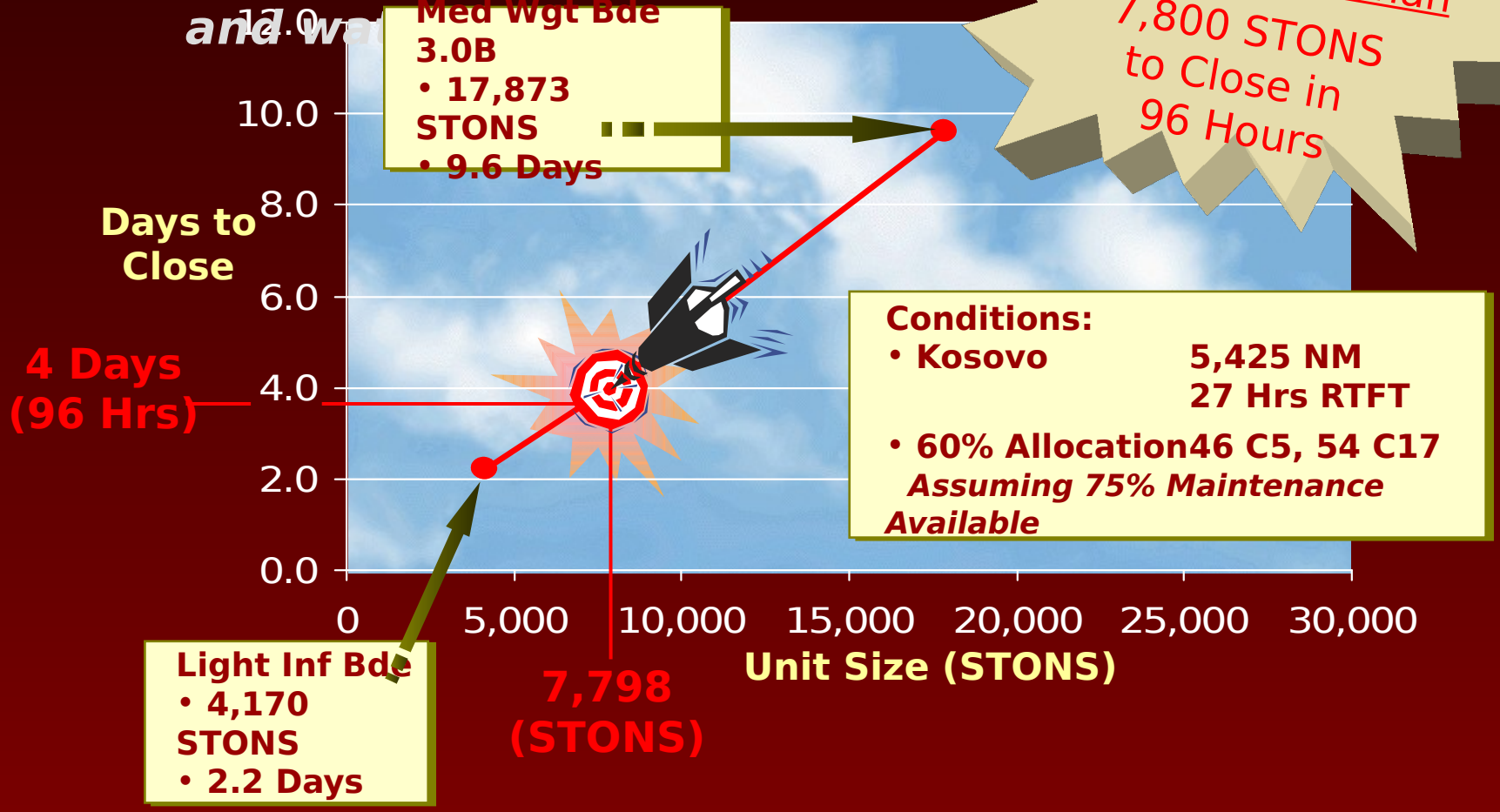
Army's New Timelines

Brigade - 96 Hours
Division - 120 Hours
5 Divisions - 30 Days
Anywhere in the World Ready to Fight

- 1 Light Brigade by C+4
- 1 Light Division by C+12
- 1 Heavy Brigade Afloat by C+15
- 2 Heavy Divisions from CONUS by C+30
- 5 Division Contingency Corps with CSS by C+75

Challenges-Deploying the Initial Brigade Combat Team in 96 Hours by Air

All deployment requirements (except fuel and wat



PM FORCE PROJECTION - The Materiel Developer for Army JLOTS Systems

- Watercraft Systems including LSVs, LCU 2000s, LTs, STs, LCM-8s, Cranes, Causeway Systems, +
- Construction Equipment/Materiel Handling Equipment including Tractors, Trailers, RTCHs, Cranes, Graders, +
- Petroleum and Water Systems including Tactical Water Distribution, Tactical Water Purification, Inland Petroleum Distribution, +
- Intratheater Mobility Systems including Tractors, Semitrailers, Locomotives, Rail, +

Every System We Manage Is Used In JLOTS Operations

PM FORCE PROJECTION - JLOTS Challenges

- Evolving Missions and Strategies
- State of the Art Systems/Changing Technologies
- Operations Above Sea State 2
- No Science and Technology Funding For Future Projects

State Of Funding Today Does Not Allow Us To Solve Challenges

The Force Projection Symposium

- TACOM, The Army Transportation Center and NDIA Have Teamed to Host the First Annual Force Projection Symposium
- Dates: 2-4 May 2000
- Location: Hampton VA and Ft. Eustis VA
- Purpose: Bring Together Industry and Joint Warfighters to Begin Partnering for the Future Force Projection Initiatives
- The Plan: Symposium and Indoor Displays at Hampton Holiday Inn; Outdoor Displays (Ground Systems and Watercraft) on the Waterfront at Ft. Eustis; Begin With Force Projection Rock Drill and Then Work Through the Entire Process (Fort to Port, Port to Port, Etc.) With Both Military and Industry Speakers

Summary

- Materiel Development for Force Projection Enabling Systems now centered at TACOM
- Force Projection Challenged to Meet / Exceed Army's Vision
- Force Projection Enabling Systems Critical to JLOTS
- Success Depends Ability of Materiel Developer, Combat Developer and User to Work Together